



JAN 28 2002

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COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/965,628	09/27/2001	Xiong Liu	1834.130US1

21186  
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. BOX 2938  
MINNEAPOLIS, MN 55402

CONFIRMATION NO. 2482

## FORMALITIES LETTER



\*OC000000006965926\*

Date Mailed: 10/24/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 710 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$152.
  - \$72 for 4 total claims over 20.
  - \$80 for 1 independent claims over 3.
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 992.**

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

01/30/2002 HTECKLU1 00000079 09965628

01 FC:101	740.00 OP
02 FC:103	72.00 OP
03 FC:102	84.00 OP
04 FC:105	130.00 OP



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Secto #3  
#  
✓

Applicant: Xiong Liu et al.

Title: METHOD TO ACHIEVE HIGHER TRACK DENSITY BY ALLOWING ONLY ONE-SIDED TRACK  
ENCROACHMENT

Docket No.: 1834.130US1  
Filed: September 27, 2001  
Examiner: Unknown

Serial No.: 09/965,628  
Due Date: December 24, 2001  
Group Art Unit: 2652

Attn: Box Missing Parts  
Commissioner for Patents  
Washington, D.C. 20231

We are transmitting herewith the attached:

- ☒ A return postcard.
- ☒ A check in the amount of \$130.00 to cover the Missing Parts Fee.
- ☒ A check in the amount of \$896.00 to cover the Basic Filing Fee and Additional Claims Fee.
- ☒ Communication Re: Missing Parts (1 pg.)
- ☒ A signed Declaration ( 3 pgs.).
- ☒ Notice to File Missing Parts (1pg.)

If not provided for in a separate paper filed herewith, please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: Richard E. Billion  
Name: Richard E. Billion  
Reg. No. 32,836  
REB:CMG:eml

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Box Missing Parts, Commissioner for Patents, Washington, D.C. 20231, on this 21 day of December, 2001.

Emily Legendre  
Name

Emily Legendre  
Signature

PATENT

S/N 09/965,628

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xiong Liu et al.

Examiner: Unknown

Serial No.: 09/965,628

Group Art Unit: 2652

Filed: September 27, 2001

Docket: 1834.130US1

Title: METHOD TO ACHIEVE HIGHER TRACK DENSITY BY ALLOWING ONLY  
ONE-SIDED TRACK ENCROACHMENT

COMMUNICATION RE: MISSING PARTS

Box Missing Parts  
Commissioner for Patents  
Washington, D.C. 20231

In response to the "Notice to File Missing Parts" (see enclosed copy), we submit the signed Declaration along with a check in the amount of \$130.00 to cover the large entity surcharge and a check in the amount of \$896.00 to cover the large entity basic filing fee.

Applicants assume the application is now in proper order and in condition for examination. Please direct any inquiries to the undersigned attorney at (612) 373-6977.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

XIONG LIU ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6977

Date

12/21/01

By



Richard E. Billion  
Reg. No. 32,836  
REB:CMG:eml

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Box Missing Parts, Commissioner for Patents, Washington, D.C. 20231, on this 21 day of December, 2001.

Name

Emily Legendre

Signature

